# Microsoft Desktop Optimization Pack (MDOP) Application Virtualization (App-V) Deep Dive

Steve Thomas
Microsoft Consulting Services
Microsoft

Ronald Dockery
Senior Product Manage
Microsoft

Windows

# • Microsoft Desktop Optimization Pack

## Virtualize

**Microsoft Application Virtualization (App-V)**
Virtually any application, anywhere

**Microsoft User Experience Virtualization (UE-V)**
Change your device, keep your experience

## Restore

**Microsoft Diagnostics and Recovery Toolset (DaRT)**
Restore user productivity quickly

## Manage

**Microsoft BitLocker Administration and Monitoring (MBAM)**
Simplified BitLocker management

**Microsoft Advanced Group Policy Management (AGPM)**
Checkpoint your policy rollout, minimize downtime

**www.microsoft.com/mdop**

Windows

# MDOP: Continuous Enhancement

## 2007

**MDOP 2007 R1**
- SoftGrid 4.1

**MDOP 2007 R2**
- DaRT 5.0
- AGPM 2.5
- DEM 3.0
- SoftGrid 4.2

**MDOP 2007**
- AIS 1.0

## 2008

**MDOP 2008 R1**
- DART 6.0
- DEM SP1

**MDOP 2008 R2**
- AGPM 3.0
- App-V 4.5
- Localization

**MDOP 2008**
- AIS 1.5

## 2009

**MDOP 2009 R1**
- MED-V 1.0
- App V 4.5 CU1

**MDOP 2009 R2**
- AGPM 4.0
- DEM 3.5
- DaRT 6.5
- App-V 4.5 SP1

## 2010

**MDOP 2010**
- App-V 4.6 (Client)

**MDOP 2010 Refresh**
- App-V 4.5 SP2 (Server)
- MED-V 1.0 SP1

## 2011

**MDOP 2011**
- App-V 4.6 SP1
- MED-V 2.0

**MDOP 2011 R2**
- AIS 2.0
- DaRT 7.0
- MBAM 1.0

## 2012

**MDOP 2012 R2 Language Update**
- Localization

**MDOP 2012 (Win 8.0)**
- UE-V
- App-V 5.0
- DaRT 8

## 2013

**MDOP 2013**
- MBAM 2.0
- UE-V 1.0 SP1
- App-V 5.0 SP1
- DaRT 8 SP1
- AGPM 4.0

**MDOP 2013 R2 (Win 8.1)**
- UE-V 2.0
- App-V 5.0 SP2
- MBAM 2.0 SP1
- DaRT 8.1
- AGPM 4.0

## 2014

**MDOP 2014**
- MBAM 2.5

**App-V Spring Update**

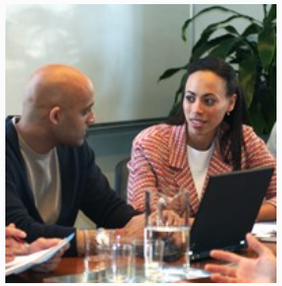
# Virtualize

App-V UE-V

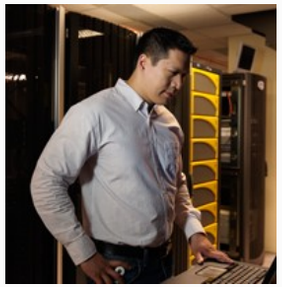
# Microsoft Application Virtualization

## Transform desktop applications into centrally managed services

Users are productive anywhere with on-demand applications that work like they are locally installed



Extend the benefits of virtualization to highly integrated applications



Easy to use management lets IT deploy and service applications throughout their lifecycle

*"App-V reduces the cost of packaging applications by 80 percent and makes it easy for users to get the applications they need."*

**Olivier Dury**
Senior Manager for E-Workplace Team, The Merck Group

Microsoft® Application Virtualization

# Microsoft Application Virtualization

## Anywhere productivity

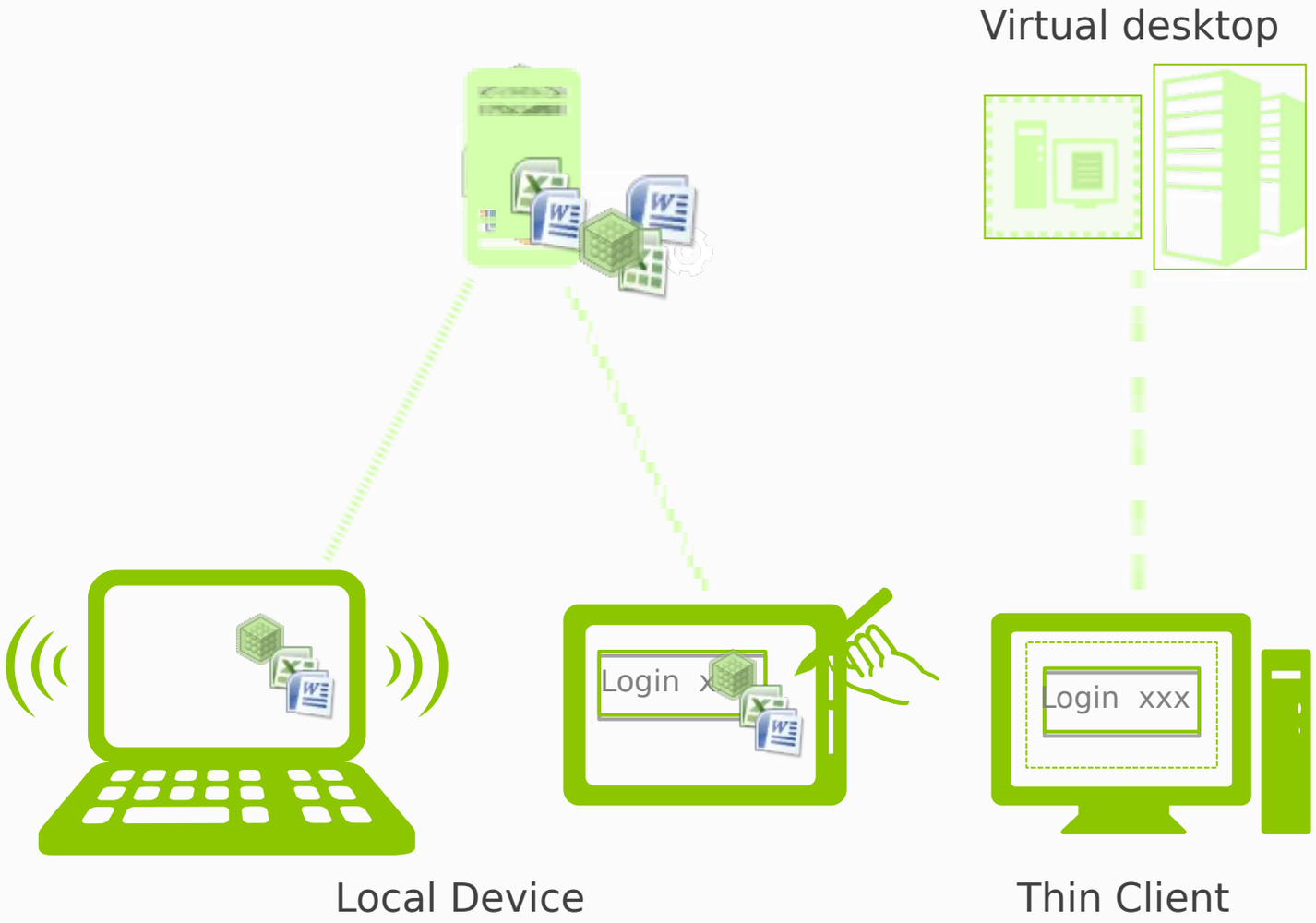
Access to applications on any device without installs

## Avoid business disruptions

Log in to retrieve applications and restore productivity

## Accelerate deployment

Faster provisioning of virtual applications on demand



Microsoft

# Server Features and Roles Part 1

Steve Thomas
Senior Consultant
Microsoft Corporation

Ronald Dockery
Sr. Product Manager
Microsoft Corporation

Microsoft Virtual Academy

Microsoft Application Virtualization

Windows 8.1

Microsoft Desktop Optimization Pack for Software Assurance

Windows Server 2012

# Agenda

- Server Features and Roles
- Client Management
- Package and Connection Group Management

- Resources

# Server Features and Roles

# Server Roles

- Preparation
- Database Server
- Management Service
- Publishing Service
- Reporting Service
- Content Servers

# Preparation

# Requirements

- Pre-Reqs
- Sizing/Scaling
- Server Placement\Role Separation
- Security Accounts\AD Configuration

# Documents

## Capacity Planning:

http://technet.microsoft.com/en-us/library/dn595131.aspx

## App-V BPA:

http://www.microsoft.com/en-us/download/details.aspx?id=38844

## Performance Guidance (SP2 HF4):

http://technet.microsoft.com/en-us/library/dn659478.aspx

## App-V Supported Configurations :

http://technet.microsoft.com/en-us/library/jj713426.aspx

## Planning for Server Deployment:

http://technet.microsoft.com/en-us/library/jj713496.aspx

# Walk-through

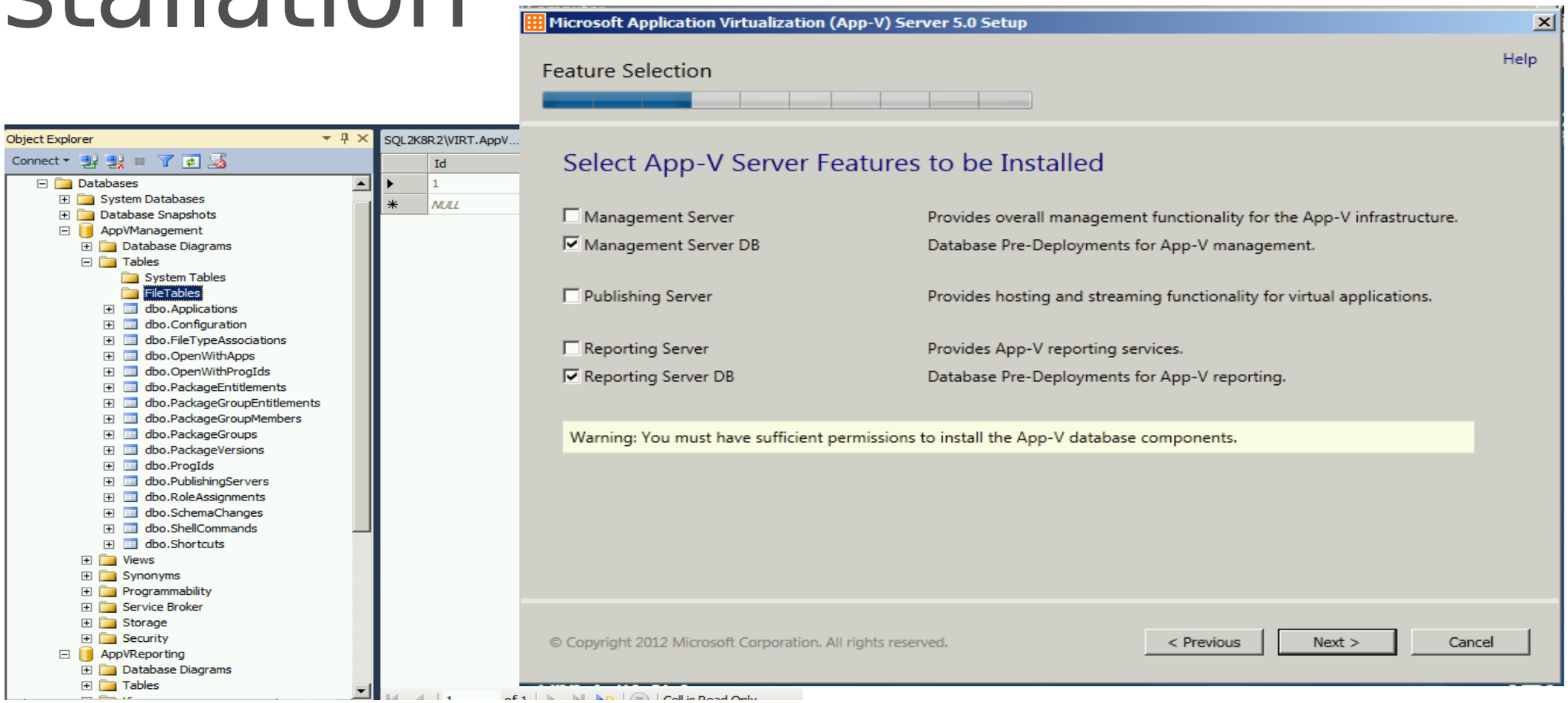
## Preparing Accounts and Content

# Database Configuration

# Database Pre-installation

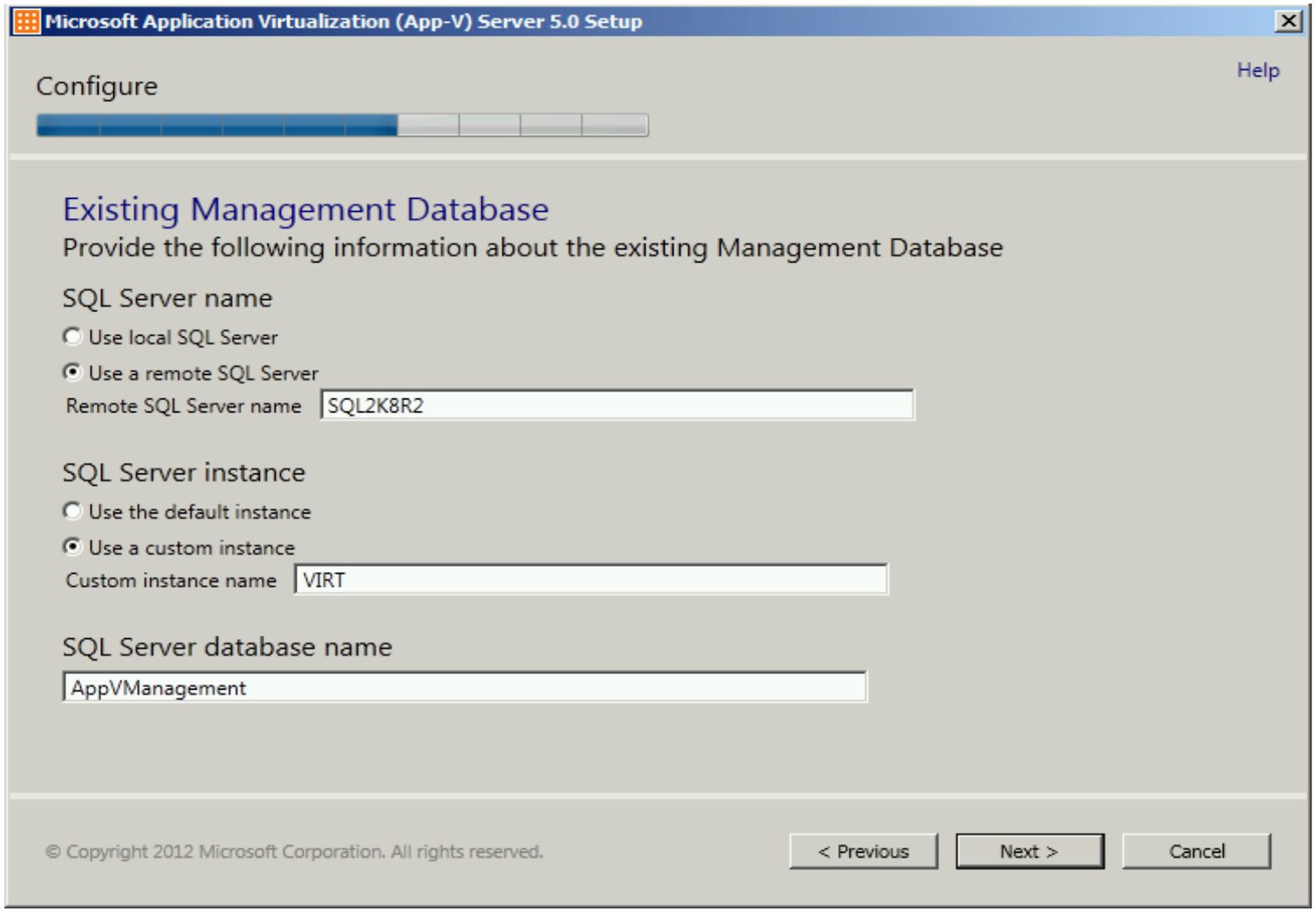
- UI Installation
- SQL Scripts

# Installation




MVA

# Installation



# Walk-through

## The App-V Data Stores

# In Review: Preparation

- Active Directory Accounts
- Content Permissions
- Database Pre-configuration

# Thank You!


jdockery@Microsoft.com

steveth@microsoft.com

blogs.technet.com/appv

@madvirtualizer

www.microsoft.com/mdop

http://www.linkedin.com/in/steveth

blogs.windows.com/springboard

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http://technet.microsoft.com/en-us/windows/bb899442.aspx

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